

ABSTRACT

A mold for casting primarily of SMC420 (10), wherein a cavity forming portion (14) comprising maraging steel, which has the toughness and the resistance to heat shock superior to those of SMC420, is provided in a vertical wall (24) heading for a cavity surface (18) from a molten metal inlet (16) and a portion nearest to the molten metal inlet (16) in the cavity surface (18), which are portions suffering relatively large heat shock in the contact with a molten metal; and a method for providing the cavity forming portion (14), which comprises filling a concave portion (32) with a molten metal prepared by melting a welding rod (36) by arc welding, in other words, carrying our an overlaying welding, and then cooling and solidifying the molten metal.